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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 21867.2-2008

**Pigments and extenders -- Methods of assessment of
dispersion characteristic -- Part 2: Assessment from the change
in fineness of grind**

颜料和体质颜料 分散性的评定方法 第2部分:由研磨细度的变化进行评定
(English Translation)

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Foreword

This section identical with the international standard ISO 8781-2:1990 Assessment Method "pigments and dispersion - Part 2. From Change the fineness of grind to be assessed "(in English).

This section is one of the GB/T 21867 "Evaluation Method pigments and dispersion of" national standards, the Department listed below Column structure and the corresponding national standards with international standards.

--- Part 1. Changes the tinting strength of colored pigments to be assessed (ISO 8781-1:1990);

--- Part 2. change the fineness of grind to be assessed (ISO 8781-2:1990);

--- Part 3. Evaluation of changes in the gloss (ISO 8781-3:1990).

This section GB/T Part of 221,867.

Are listed below in this section is closely related to the GB/T 21868 "Pigments and extenders dispersion for assessment of dispersion method used" series National standards for structure and corresponding international standards.

--- Part 1. General (ISO 8780-1:1990);

--- Part 2. oscillation mill dispersion (ISO 8780-2:1990);

--- Part 3. dispersion using a high speed mixer (ISO 8780-3:1990);

--- Part 4. sand dispersion (ISO 8780-4:1990);

--- Part 5. automatic flat mill dispersion (ISO 8780-5:1990);

--- Part 6. (1990 ISO 8780-6) dispersed with a three-roll mill.

This section of Appendix A normative appendix.

This part is proposed by the China Petroleum and Chemical Industry Association.

This part of the National Standardization Technical Committee and is under the jurisdiction of paints and pigments.

This section is drafted. in the construction of Changzhou coating Chemical Research Institute, Kunshan City Shiming Technology Development Co., Ltd.

1 Scope

This section provides according to the fineness of grind to evaluate pigment dispersion method. This section should be GB/T 21868.1-2008 together read.

This method is generally applicable to compare similar pigments, pigment such as test and compare the agreed reference pigment.

2 Normative references

The following documents contain provisions which, through reference GB/T 21867 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/Paints, varnishes and printing inks T 6753.1-2007 Determination of fineness of grind (ISO 1524:2000, IDT) GB/T 21868.1-2008 Pigments and extenders dispersion for assessment of dispersion method used in Part 1. General (ISO 8780-1:1990, IDT) GB/T 21868.2-2008 dispersion method of pigments and extenders used in assessment of dispersion characteristics - Part 2. oscillation mill dispersion (ISO 8780-2:1990, IDT) GB/T 21868.3-2008 Pigments and extenders assessment of dispersion characteristics by dispersing methods - Part 3. High-speed mixer points Powder (ISO 8780-3:1990, IDT) GB/T 21868.4-2008 dispersion method of pigments and extenders used in assessment of dispersion characteristics - Part 4. Sand Milling (ISO 8780-4:1990, IDT) GB/T 21868.5-2008 Methods for dispersing pigments and extenders assessment of dispersion characteristics with 5. automatic flat grinding points Powder (ISO 8780-5:1990, IDT) GB/T 21868.6-2008 Pigments and extenders assessment of dispersion characteristics of the dispersion methods - Part 6. a three-roll mill dispersion (ISO 8780-6:1990, IDT) Principle 3 Under the conditions specified in the test pigment and agreed reference pigment dispersed in a phased manner agreed paint-based systems, respectively. In each sub Bulk phase, an aliquot of the grind, grind fineness was measured according to the method GB/T 6753.1-2007 requirements. Draw grinding fineness of dispersion Stage (in grinding time, grinding represents the number of revolutions, etc.) of a graph function. It can be determined from Figure agreed to obtain the desired fineness of grind dispersion stage.

4 Requires supplementary information

Test methods specified in this part needs to be improved with additional information.
Contents of additional information are listed in Appendix A.

5 Instruments

Normal laboratory equipment and glassware, as well as the following instruments.

Fine grinding 5.1 meter Grind in line with GB/T 6753.1-2007 requirements, the maximum groove depth of 50μm or 100μm.

GB/T 21867.2-2008/ISO 8781-2:1990